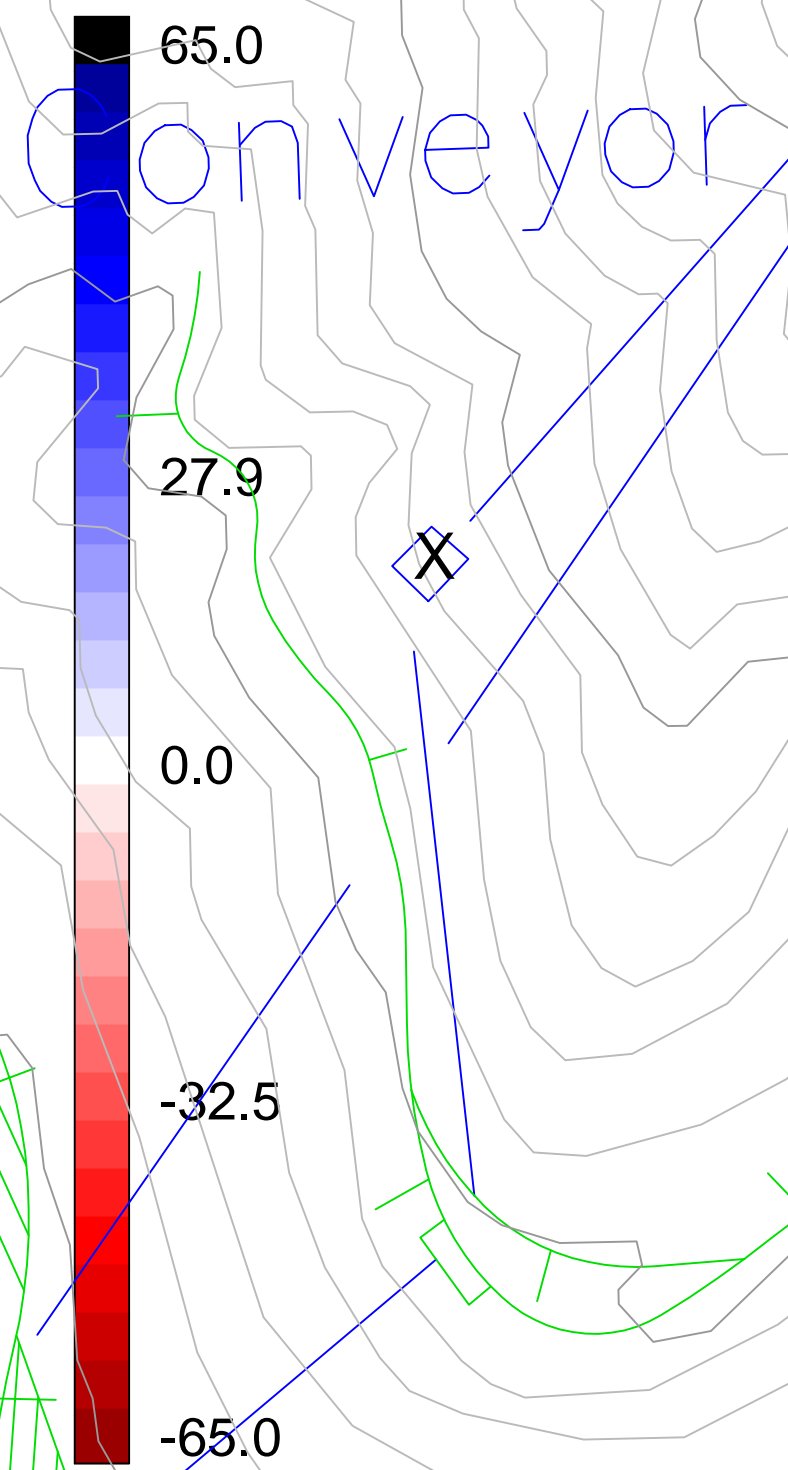


Volume Report  
Comparing Grid: C:\Users\cjmetcalfe\Desktop\Orig.grd  
and Grid: C:\Users\cjmetcalfe\Desktop\Refuse.grd  
Grid corner locations: 2726236.90,188362.30 to  
2727286.90,190272.30  
Grid resolution X: 105, Y: 191 Grid cell size X: 10.00, Y: 10.00  
Area in Cut : 10,047.7 S.F., 0.23 Acres  
Area in Fill: 377,180.9 S.F., 8.66 Acres  
Total inclusion area: 387,228.5 S.F., 8.89 Acres  
Cut to Fill ratio: 0.00  
Average Cut Depth: 1.89 Average Fill Depth: 29.15  
Max Cut Depth: 7.28 Max Fill Depth: 75.93  
Cut (C.Y.) / Area (acres): 79.19  
Fill (C.Y.) / Area (acres): 45810.68  
Cut volume: 19,006.8 C.F., 703.95 C.Y.  
Fill volume: 10,995,373.2 C.F., 407,236.05 C.Y.

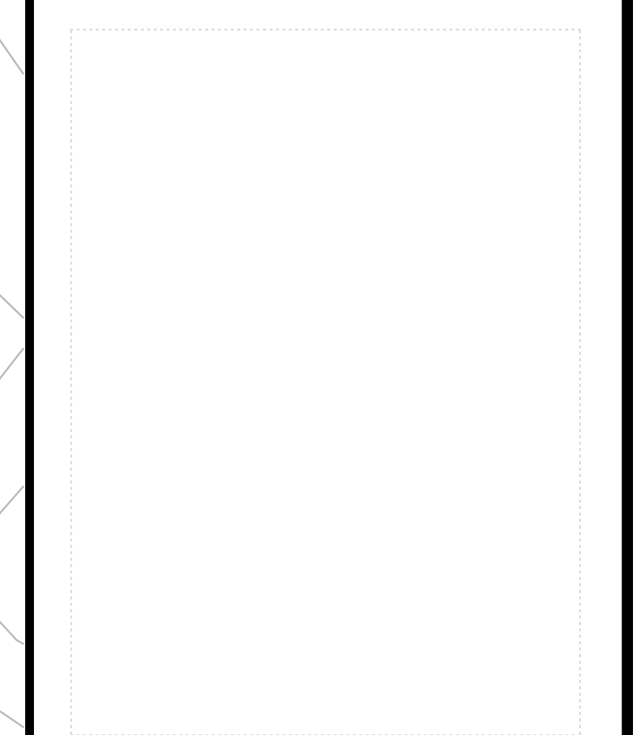


Conveyor

Fork

Right

- LEGEND
- Silt Check
  - Straw Bales
  - Silt Fence
  - Project Limits
  - Berm
  - Access Road
  - Stockpile/Loading Area



I, \_\_\_\_\_, P.E. No. 15,317  
Date: \_\_\_\_\_  
hereby certify in accordance with 405 KAR 7:040, Section 10, that this document is correct as determined by accepted engineering practices and includes all information required of it by Chapter 350 and KAR Title 405.

JRL Coal, Inc.  
Chevrolet Refuse AML  
Enhancement Plan  
Attachment IIA  
Plan Map

Prepared By:

Engineering and Geology, Inc.  
PO Box 271 - 2550 W Hwy 72 Suite 1 - Harlan, KY - 40831  
(606) 573-6524 - <http://www.howardeng-geo.com/>

Scale:  
1" = 200'

Date:  
11/15/17

All Lands shown within and adjacent to the project area are owned by Asher Land and Minerals, LTD